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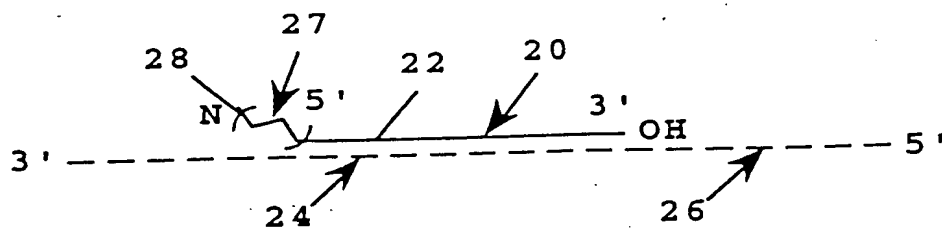


Fig. 1A

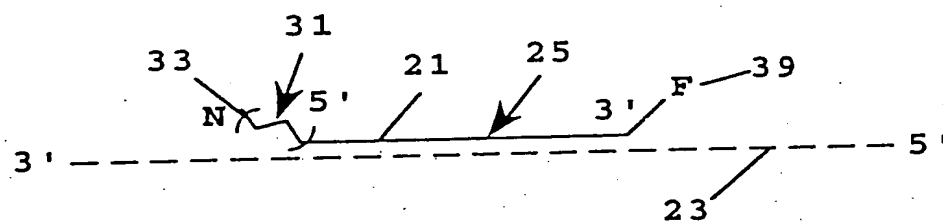


Fig. 1B

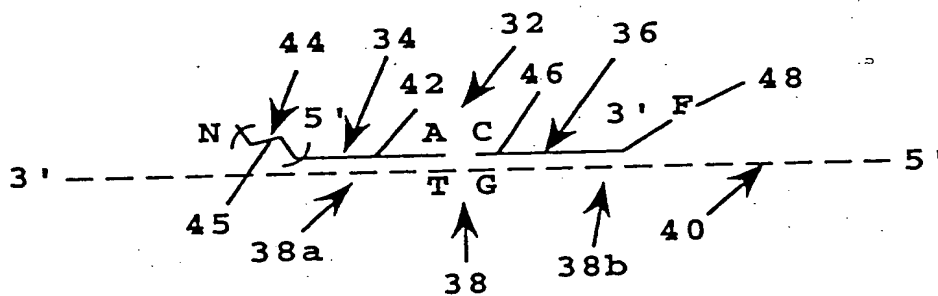


Fig. 1C

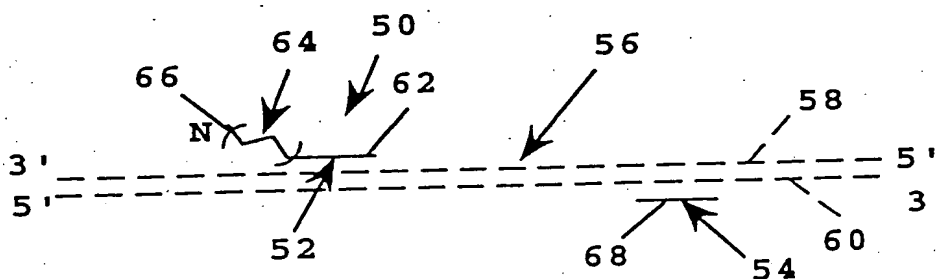


Fig. 1D

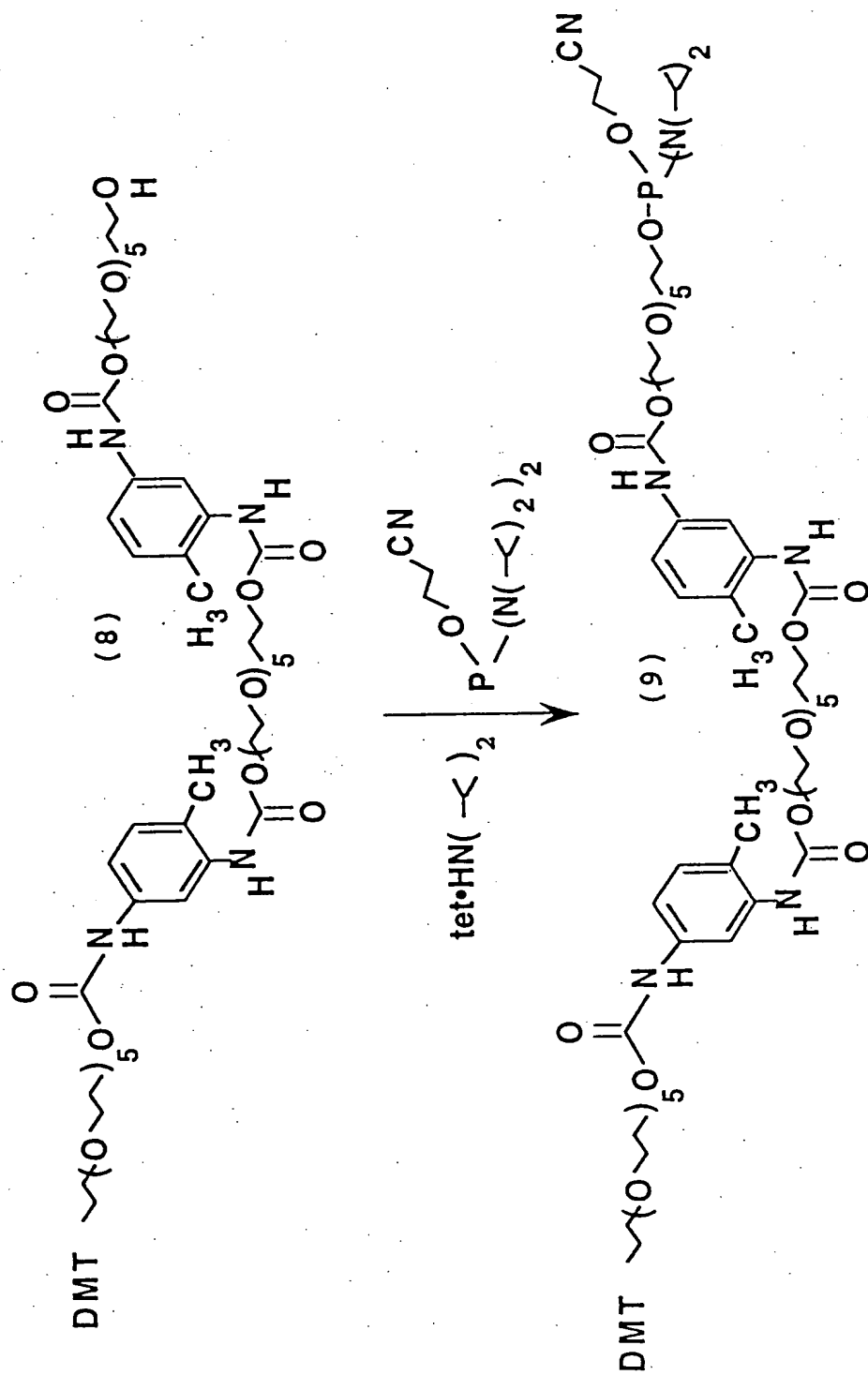


Fig. 3B

(10)

5'
GCA CCA TTA AAG AAA ATA TCA TCT TTG GTG
TTT CCT ATG ATG AAT ATA

3' PS
FAM

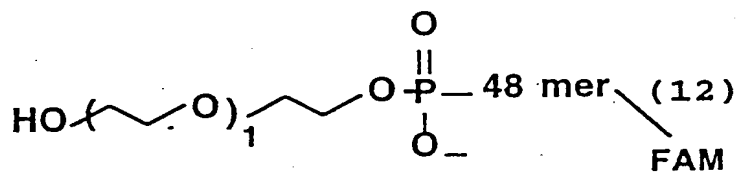
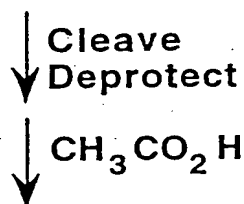
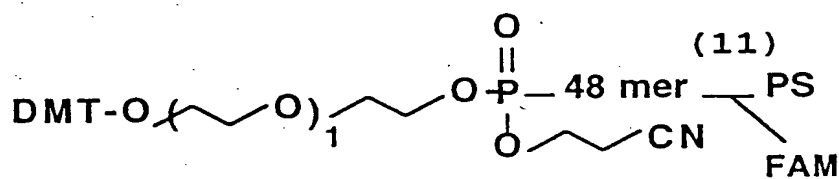
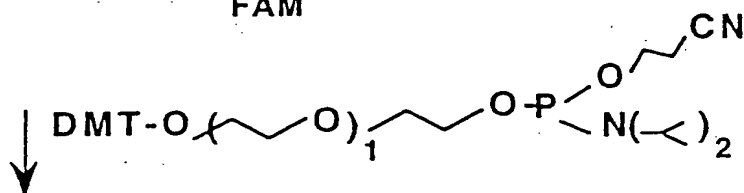


Fig. 4A

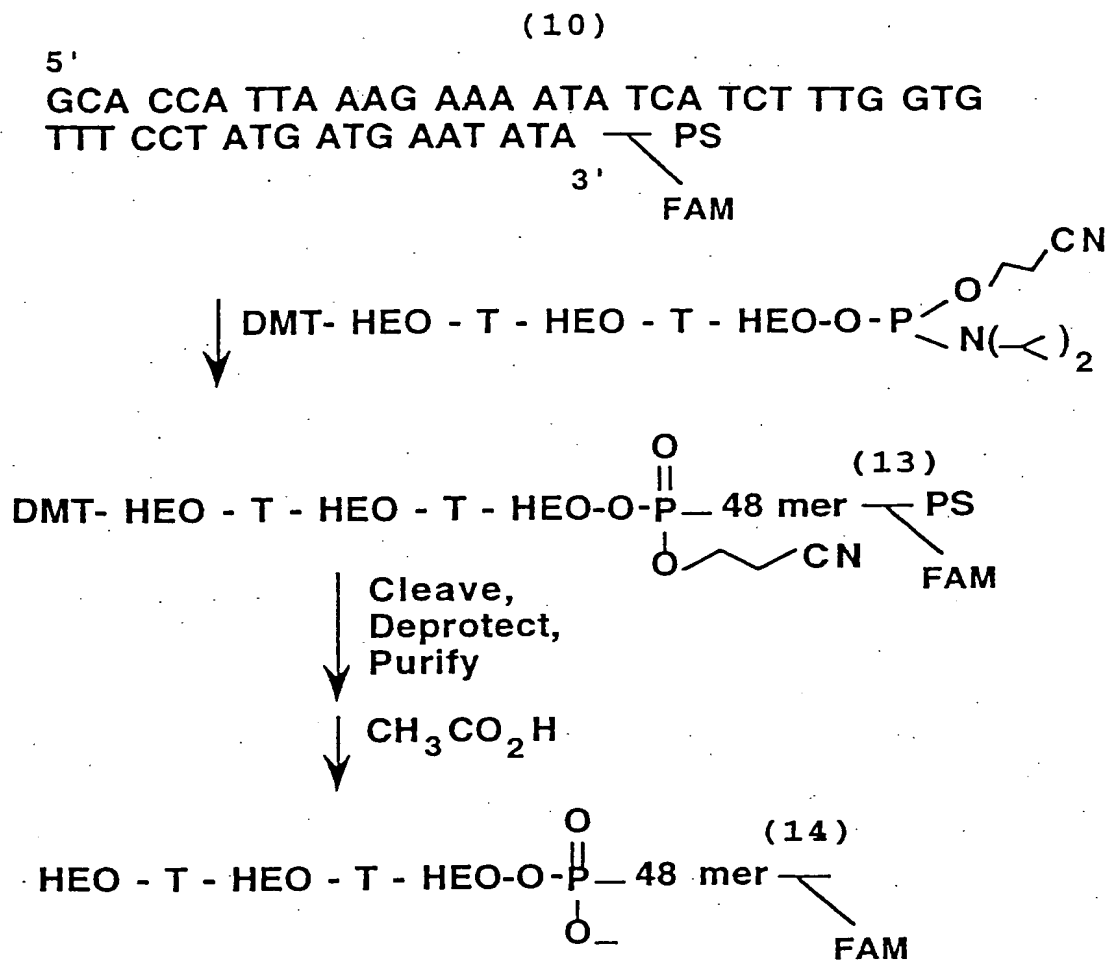


Fig. 4B

5' (15) 3'
TTG GTG TTT CCT ATG ATG AAT ATA — LAN-T

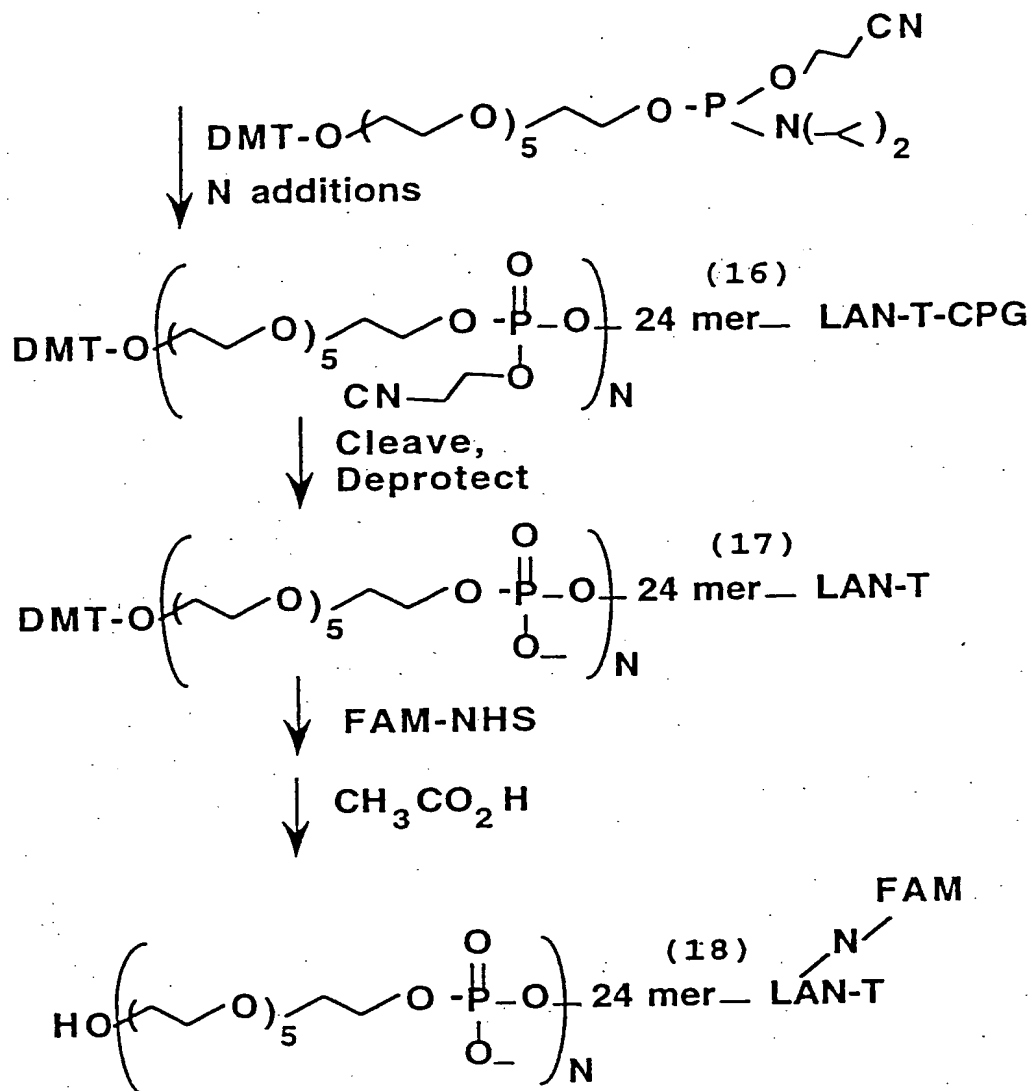


Fig. 5

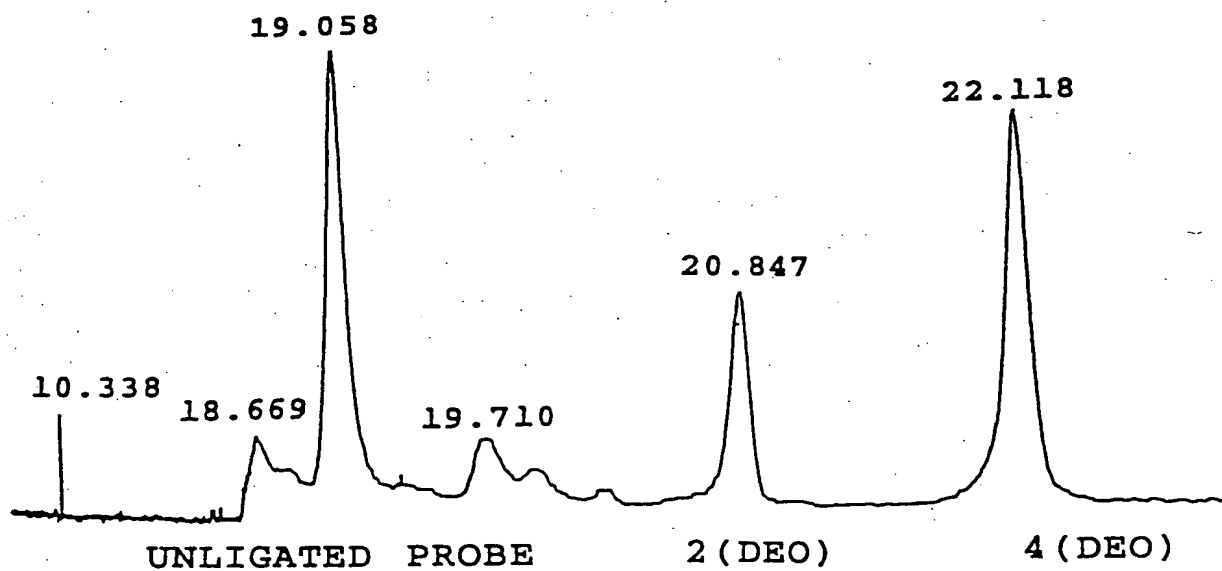
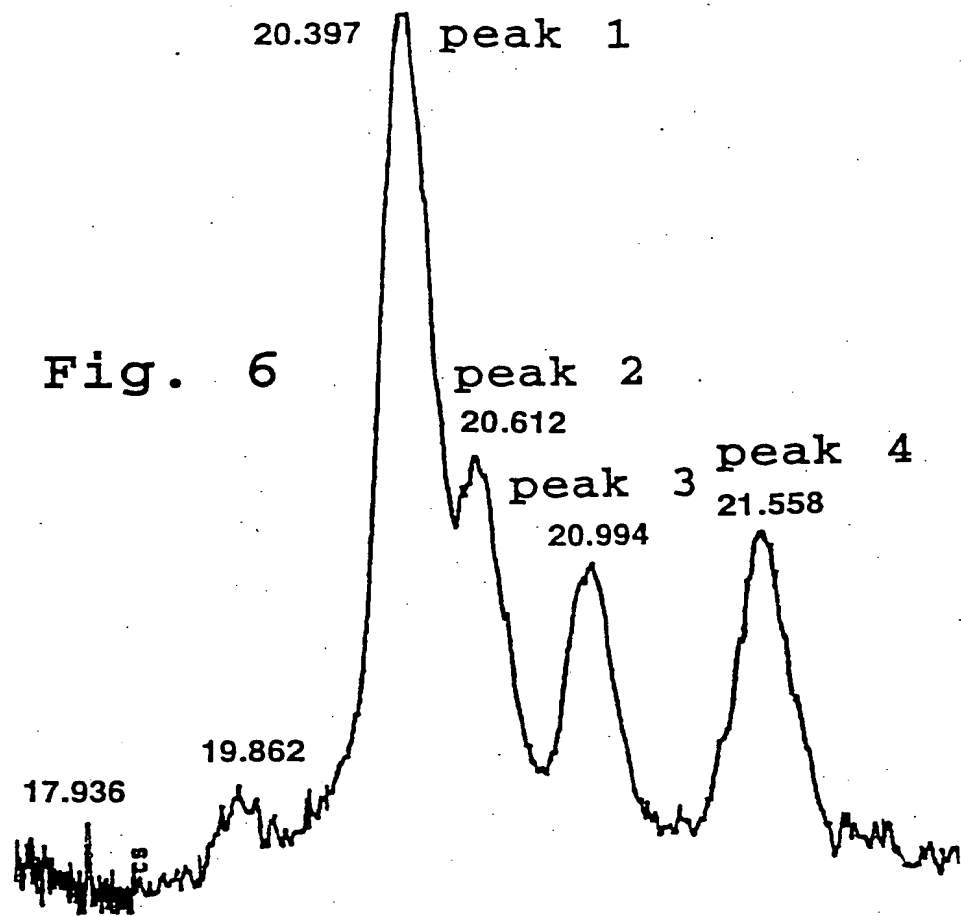


Fig. 11

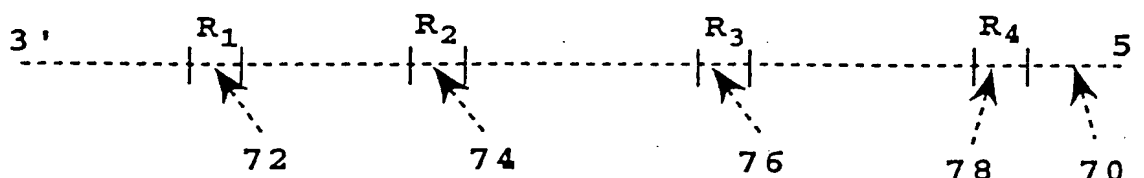


Fig. 7A

↓ PROBE COMPOSITION
↓ ANNEAL

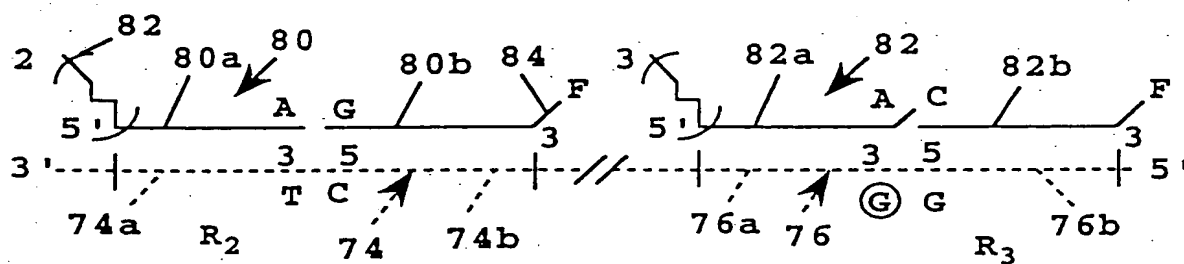


Fig. 7B

↓ LIGAS

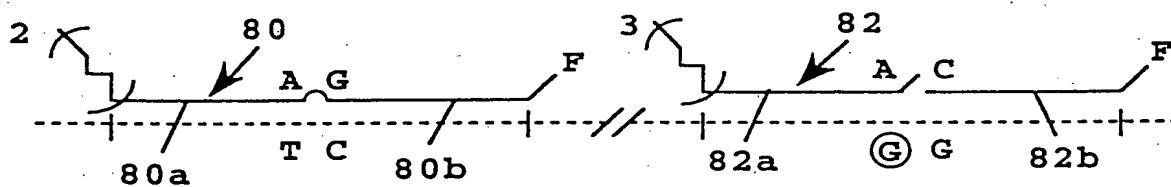


Fig. 7C

↓ DENATURE

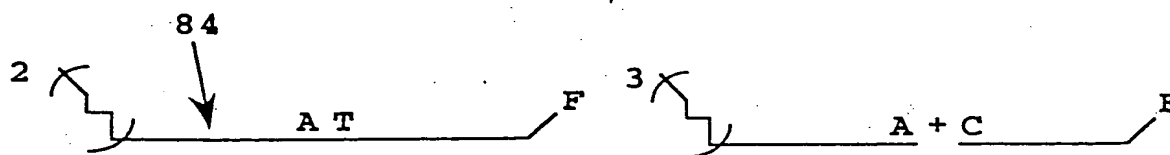


Fig. 7D

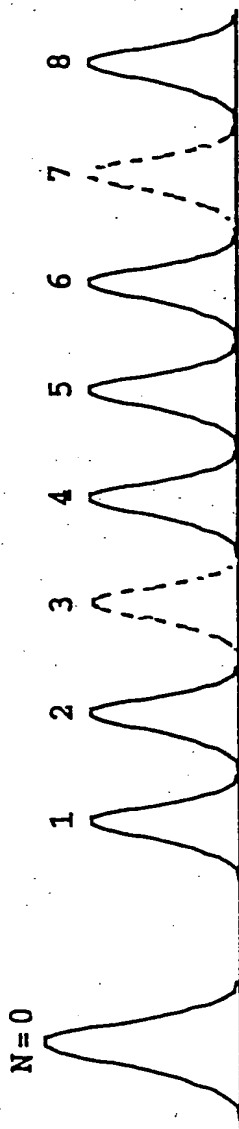


Fig. 8

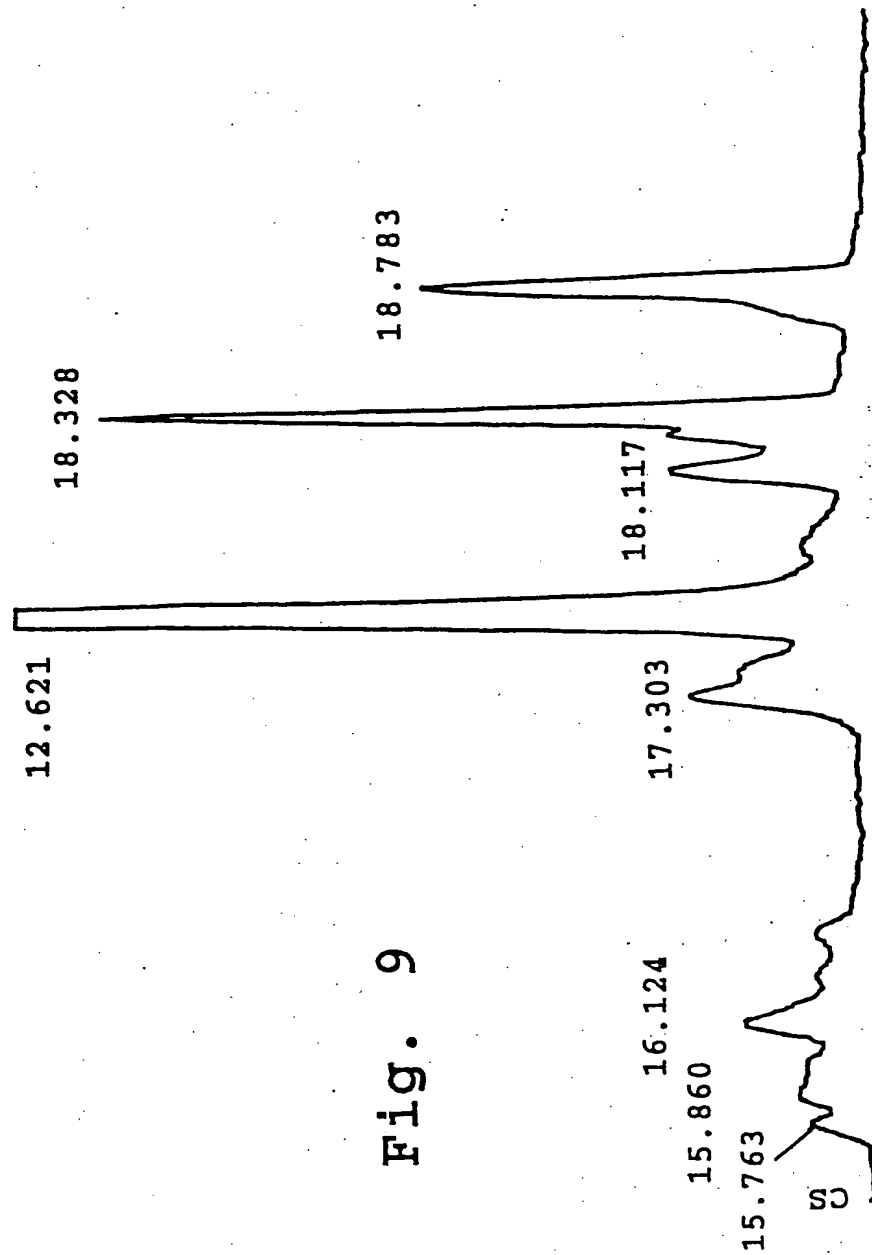


Fig. 9

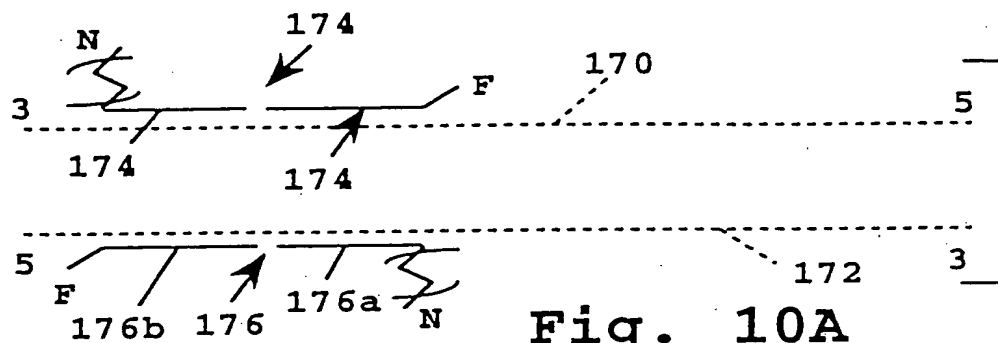


Fig. 10A

LIGATE
 ↓
 DENATURE, REANNEAL
 ↓

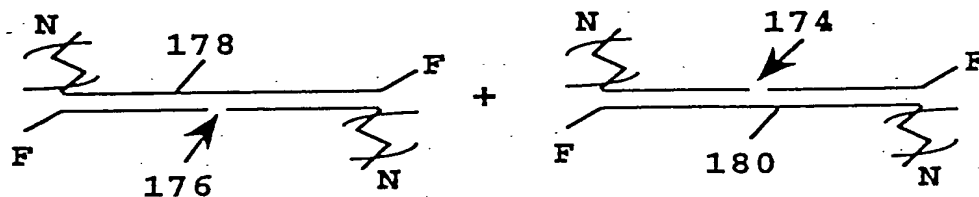
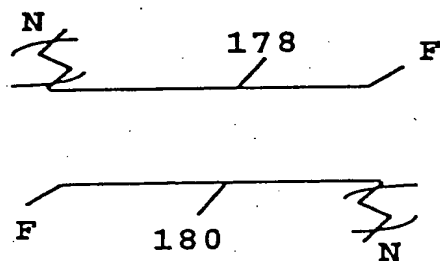


Fig. 10B

LIGATE
 ↓
 DENATURE
 ↓
 REPEAT N-2 TIMES
 ↓



$\times 2^N$

Fig. 10C

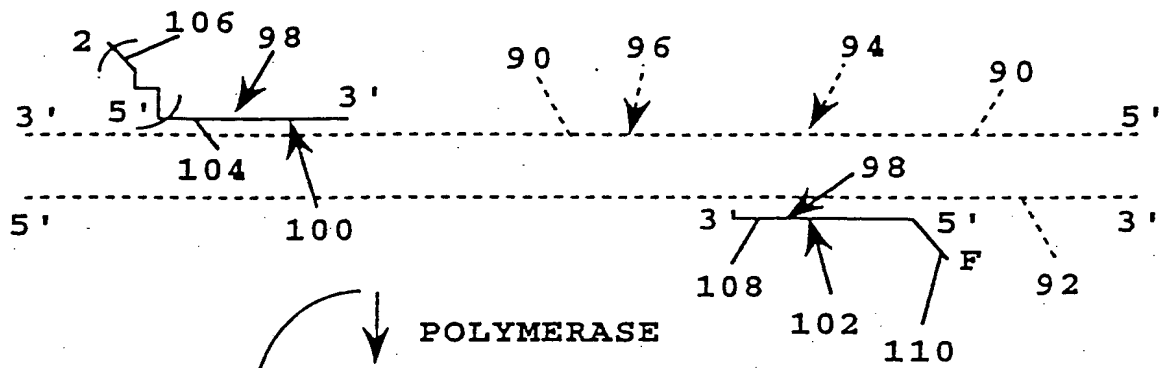


Fig. 12A



POLYMERASE

DENATURE

PROBE ANNEALING

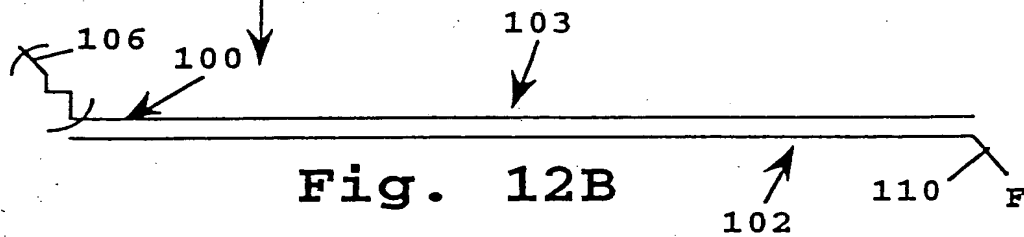


Fig. 12B

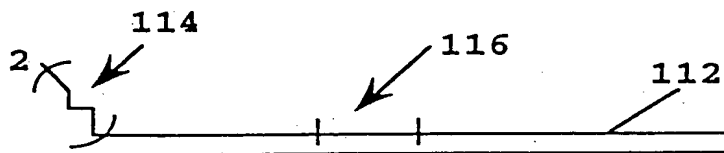


Fig. 13A

DENATURE, ADD LABEL,
REANNEAL

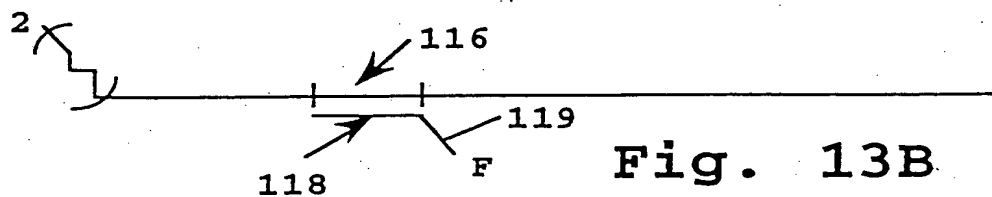


Fig. 13B.

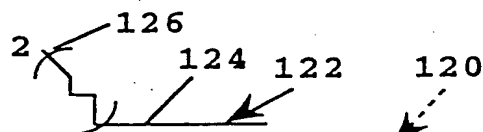


Fig. 14A

POLYMERASE, LABELED dNTP

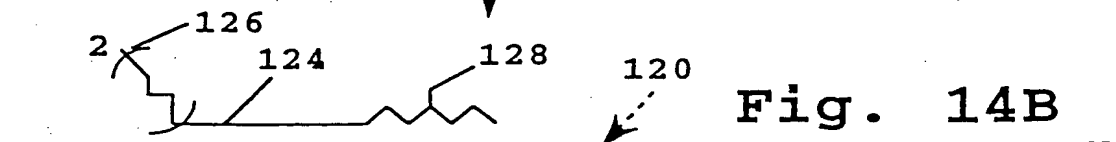


Fig. 14B

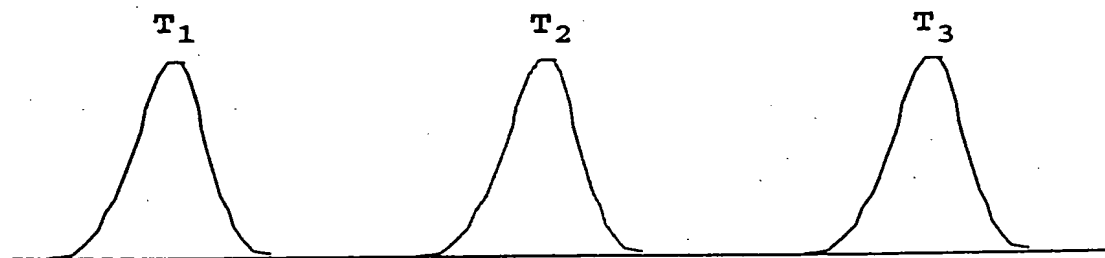
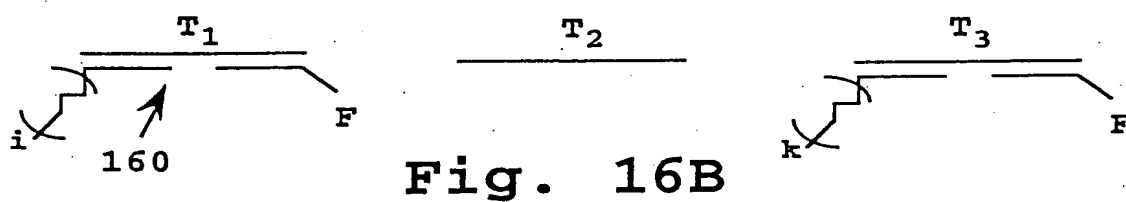
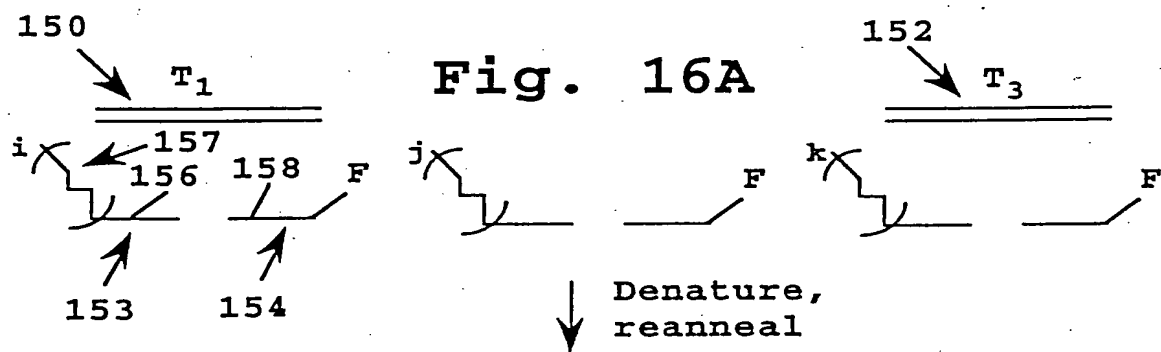
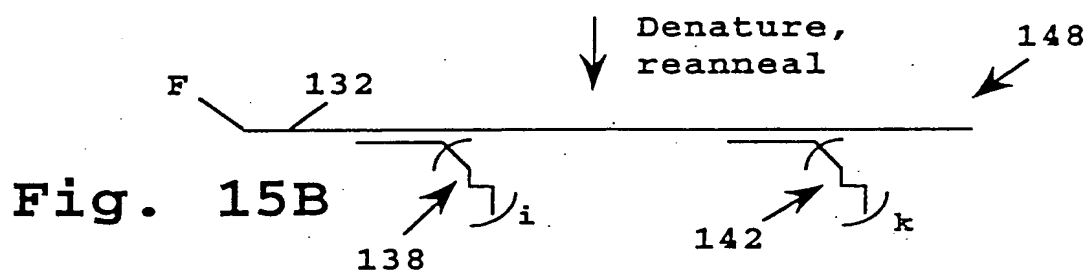
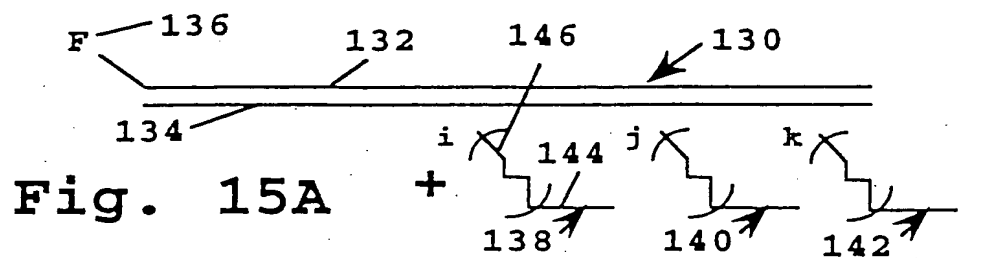


Fig. 16C

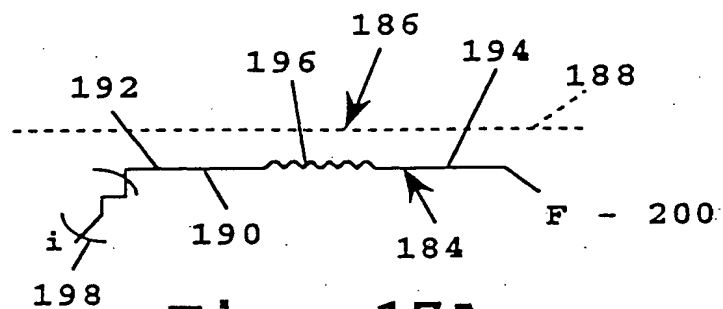


Fig. 17A

↓ RNAase H,
DENATURE

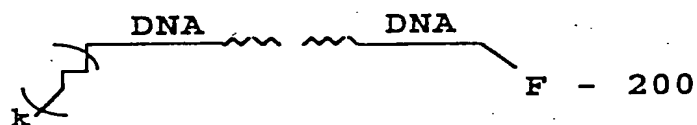


Fig. 17B

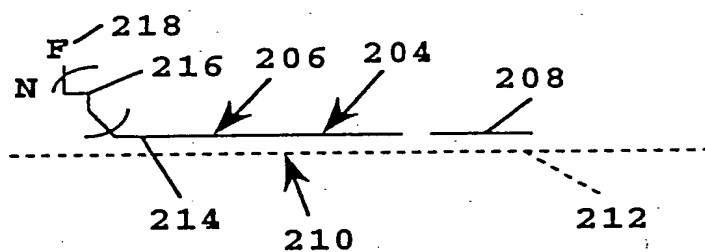


Fig. 18A

↓ LIGATE,
DENATURE

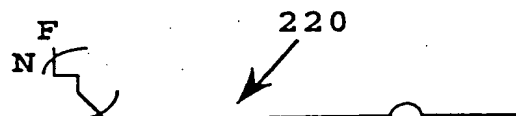


Fig. 18B

